

Product datasheet for **SC115544**

ANGPTL2 (NM_012098) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANGPTL2 (NM_012098) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANGPTL2
Synonyms:	ARP2; HARP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115544 sequence for NM_012098 edited (data generated by NextGen Sequencing)

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ATGAGGCCACTGTGCGTGACATGCTGGTGGCTCGGACTGCTGGCTGCCATGGGAGCTGTT
GCAGGCCAGGAGGACGGTTTTGAGGGCACTGAGGAGGGCTCGCCAAGAGAGTTTCATTTAC
CTAAACAGGTACAAGCGGGCGGGCAGTCCCAGGACAAGTGCACCTACACCTTCATTGTG
CCCCAGCAGCGGGTCACGGGTGCCATCTGCGTCAACTCCAAGGAGCCTGAGGTGCTTCTG
GAGAACCAGAGTGCATAAGCAGGAGCTAGAGCTGCTCAACAATGAGCTGCTCAAGCAGAAG
CGGCAGATCGAGACGCTGCAGCAGCTGGTGGAGGTGGACGGCGGATTGTGAGCGAGGTG
AAGCTGCTGCGCAAGGAGAGCCGCAACATGAACTCGCGGGTCACGCAGCTCTACATGCAG
CTCCTGCACGAGATCATCCGCAAGCGGGACAACGCGTTGGAGCTCTCCAGCTGGAGAAC
AGGATCTGAACCAGACAGCCGACATGCTGCAGCTGGCCAGCAAGTACAAGGACCTGGAG
CACAAGTACCAGCACCTGGCCACACTGGCCACAACCAATCAGAGATCATCGCGCAGCTT
GAGGAGCACTGCCAGAGGGTGCCTCGGCCAGGCCGTCCTCCAGCCACCCCGCTGCC
CCGCCCCGGGTCTACCAACCACCACCTACAACCGCATCATCAACCAGATCTCTACCAAC
GAGATCCAGAGTGACCAGAACCTGAAGGTGCTGCCACCCCTCTGCCACTATGCCCACT
CTACCAGCCTCCCATCTTCCACCGACAAGCCGTCGGGCCATGGAGAGACTGCCTGCAG
GCCCTGGAGGATGGCCACGACACCAGCTCCATCTACCTGGTGAAGCCGGAGAACCAAC
CGCCTCATGCAGGTGTGGTGCAGCCAGAGACACGCCCGGGGGCTGGACCGTCCAG
AGACGCCTGGATGGCTCTGTTAACTTCTCAGGAACTGGGAGACGTACAAGCAAGGGTTT
GGGAACATTGATGGCGAATACTGGCTGGGCTGGAGAACATTTACTGGCTGACGAACAA
GGCAACTACAACTCCTGGTGACCATGGAGGACTGGTCCGGCCGCAAAGTCTTTCAGAA
TACGCCAGTTCCGCCTGGAACCTGAGAGCGAGTATTATAAGCTGCGGCTGGGGCGCTAC
CATGGCAATGCGGGTGACTCCTTTACATGGCACAACGGCAAGCAGTTACCACCCTGGAC
AGAGATCATGATGTCTACACAGGAAACTGTGCCACTACCAGAAGGGAGGCTGGTGGTAT
AACGCCTGTGCCACTCCAACCTCAACGGGGTCTGGTACCGCGGGGCCATTACCGGAGC
CGCTACCAGGACGGAGTCTACTGGGCTGAGTTCGAGGAGGCTCTTACTCACTCAAGAAA
GTGGTGATGATGATCCGACCGAACCACAACCTTCCACTAA
    
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Clone variation with respect to NM_012098.2
1032 c=>t

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_012098 unedited
GTCANGATTTGTATACGACTTATATAGGGCGGCCGGAATTCGCACGAGGAGCATGTGAG
GAGCCGCCCCNGACCAAGCAGGAGGGAAGAGGCTTTCATAGATTCTATTCACAAAGAAT
AACCACCATTTTGAAGGACCATGAGGCCACTGTGCGTGACATGCTGGTGGCTCGGACTG
CTGGCTGCCATGGGAGCTGTTGCAGGCCAGGAGGACGGTTTTGAGGGCACTGAGGAGGGC
TCGCCAAGAGAGTTTCACTTAACTAAACAGGTACAAGCGGGCGGGCAGTCCCAGGACAAG
TGCACCTACACCTTCATTGTGCCCCAGCAGCGGGTCACGGGTGCCATCTGCGTCAACTCC
AAGGAGCCTGAGGTGCTTCTGGAGAACCAGTGCATAAGCAGGAGCTAGAGCTGCTCAAC
AATGAGCTGCTCAAGCAGAAGCGGCAGATCGAGACGCTGCAGCAGCTGGTGGAGTGGAC
GGCGGCATTGTGAGCGAGGTGAAGCTGCTGCGCAAGGAGAGCCGCAACATGAACTCGCGG
GTCACGCAGCTCTACATGCAGCTCTGCAGGATCATCCGCAAGCGGGACAACGCGTTG
GAGCTCTCCAGCTGGAGAACAGGATCCTGAACCAGACAGCCGACATGCTGCAGCTGGCC
AGCAAGTACAAGGACCTGGAGCACAAGTACCAGCACCTGGCCACACTGGCCACAACCAA
TCAGAGATCATCGCGCAGCTTGAAGGAGCACTGCCAGAGGGTGCCTCGGCCAGGGCCCCG
TCCCCAGCCACCCCGCTTGGCCCGCCCCGGTCTACCAACCACCACCTACCACCG
CATCATCAACCAGATCTTACCAACGAGATTCAGAGTGACCAAAACCCGGGAAGGTGCTGC
CCCCCTCTGGCCCACTATTGCCACTTTCACCA
    
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3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_012098 unedited</p> <pre> CGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTACATCCAATAGCACTGATGG CTTTTATTGCAGATTCGTGTCATTACAAGGATAATCTGGGAATATATTTTTAAAAAACC CTCCCTTTTATATACACAAAACATGCTACATGGTACACTTTGTGAGAAATGCTGAGGTAA TAGGCACACACCCAGACATGGACAGTACCAAACATCCAACATCTCACACAGCCTGGCCCA CGTGCCACCCGGGAAGGGTCTCACCTTCTGACTCATCCCTTGCCCTTCTTGGAATAG TTCCGGGAGTGCTGAGGCTGACACTTGGTGGCCAACAGGACTCAGAAAGCCACCATGCTG CAGTGCATCAACCAAGGGTCCGGTGACCCCTGATTATTCAACTCCTGAGAAGTGGCCTG TTTTCATTTTTGTGGCACTTGTCTCCAGGGAAGTGTAGTTTGGAGATGAGATGCGGACT CTAGTCAGCCTGAGAGCGTGAATCTCTGGTCTGTAGCCATCTGGGGCTCTGATGATCT GATGACTTCTGTTCTGAGATAATTCTCCTGGCCAGATAGGTTATTATTTGTGCGAAGACT CAAATGACCTGTAGGTTAAAGTATGAATGGAAGATACAAAACGCGAGTACATTATCTAT ACGGCCGGTGGAGCCTTTGGGCTGCCCTCTCCTCCCACCAGAAACCTGCAGCCCGGAGT GTTTCCTACTTAGAAGCTGAGGAATCTCCCTGGAAAGAAGGGCTGTGCGACAGAATACG CAAGGAGTACGTACGCGAGGATACAACACCACGGAAGGGGGCCCTGACATGCATGAGTGC CCCCGCACTGACCCACACAAGCACCTAATGAATGGCGTCAATGAACGATAANGGGTGAAG GAGGCGAAACANTCCCAATGGGAATAGTCACATGTGGGGCCGGTTTCAACTTTTATGTC CCAAGCGTCT </pre>
Restriction Sites:	ECORI-NOT
ACCN:	NM_012098
Insert Size:	3100 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_012098.2 , NP_036230.1

RefSeq Size:	3572 bp
RefSeq ORF:	1482 bp
Locus ID:	23452
UniProt ID:	Q9UKU9
Cytogenetics:	9q33.3
Domains:	FBG
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Gene Summary:	Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. ANGPTL2 protein is a secreted glycoprotein with homology to the angiopoietins and may exert a function on endothelial cells through autocrine or paracrine action. [provided by RefSeq, Jul 2008]